

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker run -it ubuntu:16.04 /bin/bash
```

```
root@1d6408cb70d2:/# ping
bash: ping: command not found
root@1d6408cb70d2:/# ping google.com
bash: ping: command not found
root@1d6408cb70d2:/# apt-get update
Get:1 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial InRelease [247 kB]
Get:3 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [2051 kB]
Get:4 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
Get:5 http://archive.ubuntu.com/ubuntu xenial-backports InRelease [107 kB]
Get:6 http://archive.ubuntu.com/ubuntu xenial/main amd64 Packages [1558 kB]
Get:7 http://security.ubuntu.com/ubuntu xenial-security/restricted amd64 Packages [15.9 kB]
Get:8 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [984 kB]
Get:9 http://archive.ubuntu.com/ubuntu xenial/restricted amd64 Packages [14.1 kB]
Get:10 http://archive.ubuntu.com/ubuntu xenial/universe amd64 Packages [9827 kB]
Get:11 http://security.ubuntu.com/ubuntu xenial-security/multiverse amd64 Packages [8820 B]
Get:12 http://archive.ubuntu.com/ubuntu xenial/multiverse amd64 Packages [176 kB]
Get:13 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 Packages [2559 kB]
Get:14 http://archive.ubuntu.com/ubuntu xenial-updates/restricted amd64 Packages [16.4 kB]
Get:15 http://archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Packages [1544 kB]
Get:16 http://archive.ubuntu.com/ubuntu xenial-updates/multiverse amd64 Packages [26.2 kB]
Get:17 http://archive.ubuntu.com/ubuntu xenial-backports/main amd64 Packages [10.9 kB]
Get:18 http://archive.ubuntu.com/ubuntu xenial-backports/universe amd64 Packages [12.7 kB]
Fetched 19.4 MB in 1min 14s (261 kB/s)
Reading package lists... Done
root@1d6408cb70d2:/# apt-get install iputils-ping
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libffi6 libgmp10 libgnutls-openssl27 libgnutls30 libhogweed4 libidn11 libnettle6 libp11-kit0 libtasn1-6
Suggested packages:
  gnutls-bin
The following NEW packages will be installed:
  iputils-ping libffi6 libgmp10 libgnutls-openssl27 libgnutls30 libhogweed4 libidn11 libnettle6 libp11-kit0 libtasn1-6
0 upgraded, 10 newly installed, 0 to remove and 6 not upgraded.
Need to get 1307 kB of archives.
After this operation, 3781 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://archive.ubuntu.com/ubuntu xenial/main amd64 libgmp10 amd64 2:6.1.0+dfsg-2 [240 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libnettle6 amd64 3.2-1ubuntu0.16.04.2 [93.7 kB]
Get:3 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libhogweed4 amd64 3.2-1ubuntu0.16.04.2 [136 kB]
```

```
root@1d6408cb70d2:/# exit
exit
```

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker commit --help
```

```
Usage:  docker commit [OPTIONS] CONTAINER [REPOSITORY[:TAG]]
```

Create a new image from a container's changes

Options:

```
-a, --author string      Author (e.g., "John Hannibal Smith
                          <hannibal@a-team.com>")
-c, --change list        Apply Dockerfile instruction to the created image
-m, --message string     Commit message
-p, --pause              Pause container during commit (default true)
```

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
1d6408cb70d2	ubuntu:16.04	"/bin/bash"	5 minutes ago	Exited (1) About a minute ago		dazzling_shirley
36bdbce951cc	ubuntu:16.04	"C:/Program Files/Gi..."	35 minutes ago	Created		eager_elgamal
f924ffe091f0	ubuntu:16.04	"C:/Program Files/Gi..."	38 minutes ago	Created		eager_gould
d93903aa80d4	ubuntu	"/bin/bash"	12 days ago	Exited (1) 12 days ago		angry_leakey
a3b4f74464ca	ubuntu	"/bin/bash"	12 days ago	Exited (0) 12 days ago		brave_northcutt
aaf3842efdb2	ubuntu	"/bin/bash"	12 days ago	Exited (0) 12 days ago		hopeful_germain
fa17c4272412	ubuntu	"/bin/bash"	12 days ago	Exited (255) 11 days ago		compassionate_neumann
64dc469c7a42	ubuntu	"/bin/bash"	12 days ago	Exited (0) 12 days ago		quirky_cartwright
869bde1d36cc	hello-docker	"docker-entrypoint.s..."	12 days ago	Exited (0) 12 days ago		naughty_mayer

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker commit -a 'David Elner' -m 'Added ping utility.' 786 delner/ping
"docker commit" requires at least 1 and at most 2 arguments.
See 'docker commit --help'.
```

```
Usage:  docker commit [OPTIONS] CONTAINER [REPOSITORY[:TAG]]
```

Create a new image from a container's changes

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>sha256:78ba830008a61a09f9eae8ca4ead0966ff501457c23df0f635e0651253b3d0e3
The filename, directory name, or volume label syntax is incorrect.
```

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>$
'$' is not recognized as an internal or external command,
operable program or batch file.
```

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker image
```



```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
hello-docker	latest	68799ac956dc	12 days ago	113MB
ubuntu	16.04	aefd7f02ae24	3 weeks ago	134MB
ubuntu	latest	7e0aa2d69a15	3 weeks ago	72.7MB

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker commit -a 'Kurt' -m 'Added ping utility' 123 kurt/ping
```

"docker commit" requires at least 1 and at most 2 arguments.

See 'docker commit --help'.

Usage: docker commit [OPTIONS] CONTAINER [REPOSITORY[:TAG]]

Create a new image from a container's changes

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker commit 1d6408cb70d2 kurt.ping
sha256:9e39f6780e7d2c6d2e4a37f21cea690144c03aeaaa98124ecb34304ccb1581a7
```

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker commit 1d6408cb70d2 kurt/ping
sha256:56595433ef0d423c7735d6aa27639aacdd9b1a7bfe9d502334ef4928083e23b6
```

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
kurt/ping	latest	56595433ef0d	11 seconds ago	169MB
kurt.ping	latest	9e39f6780e7d	18 seconds ago	169MB
hello-docker	latest	68799ac956dc	12 days ago	113MB
ubuntu	16.04	aefd7f02ae24	3 weeks ago	134MB
ubuntu	latest	7e0aa2d69a15	3 weeks ago	72.7MB

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker rm 56595433ef0d
```

Error: No such container: 56595433ef0d

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker rmi 56595433ef0d
```

Untagged: kurt/ping:latest

Deleted: sha256:56595433ef0d423c7735d6aa27639aacdd9b1a7bfe9d502334ef4928083e23b6

```
C:\Users\Kurt\Documents\UP\Acads\3rd Year 2nd Sem\CoE 197-S\Week 10\ME8\1-running_containers>docker run -it --rm kurt.ping /bin/bash
```

```
root@ae0472f7d3aa:/# ping tedmosbyisajerk.com
```

```
PING tedmosbyisajerk.com (70.32.188.70) 56(84) bytes of data.
```

```
^C
```

```
--- tedmosbyisajerk.com ping statistics ---
```

```
4 packets transmitted, 0 received, 100% packet loss, time 3128ms
```

```
root@ae0472f7d3aa:/#
```